

United States of America
Department of Transportation—Federal Aviation Administration
Supplemental Type Certificate

Number ST00654LA-D

This certificate, issued to

ARINC, Inc.
1915 Aerotech Drive, Suite 150
Colorado Springs, CO 80916

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations. *(For certification basis T.C. Data Sheet A6WE)*

Original Product Type Certificate Number: A6WE

Make: McDonnell Douglas Corporation

Model: DC-9-32F (C-9A), DC-9-32 (VC-9C)

Description of the Type Design Change:

Installation of Allied Signal Traffic Alert and Collision Avoidance System (TCAS II) in accordance with FAA approved ARINC Master Data List, Document No. 22299-05-98-SSE-FVW-0461 Revision "A", dated September 9, 1998 or later FAA approved revisions.

Limitations and Conditions:

1. Compatibility of this design change with previously approved modifications must be determined by installer.
2. Instructions for Continued Airworthiness, Document A708344D005 entitled: "Instructions for Continued Airworthiness for Enhanced Mode S installed on McDonnell Douglas DC-9-32 Series Aircraft", Revision 1R, dated September 9, 2008, or later FAA accepted revision is required for this installation.
3. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of the permission.
4. Approval of this modification does not constitute the operation of IFF portion of the Mode S Transponder and TCAS/Mode S Control Panel.
5. A copy of this certificate and FAA approved Airplane Flight Manual Supplement, Document 22299-05-09-SSE-FVW-0467, Revision Orig, dated September 3, 1998 or later FAA approved revision for the Allied Signal CAS-81 Traffic Alert and Collision Avoidance System installation must be maintained as part of the permanent records of the modified aircraft.
6. This modification may not be installed after June 7, 2010 unless (1) previously approved electrical wiring interconnection system (EWIS) instruction for continued airworthiness (ICA) have been evaluated and determined to be adequate for this installation by the FAA, or (2) revised EWIS have been approved by the FAA Oversight Office (refer to 14 CFR Part 26.11).

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: May 21, 1998

Date reissued: July 25, 2002

Date of issuance: October 28, 1998

Date amended: January 15, 2009



By direction of the Administrator

John May (Signature)
ODA Administrator, ODA 636304-MM, ARINC, Inc. (Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.